

Material Safety Data Sheet

According to 91/155 EEC

Printing date 10.03.2005

Version No. 2

Reviewed on 10.03.2005

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** *DD 2000 Komponente A*

· **Application of the substance / the preparation** *Solvent-based, 2-component PU parquet seal, component A*

· **Manufacturer/Supplier:**

JP Coatings GmbH

Im Kreuz 6

D-97076 Würzburg

Tel. +49 (0)931-27964-0

Fax +49 (0)931-27964-50

· **Further information obtainable from:** *Developing department*

· **Information in case of emergency:**

Medical emergencies: +49 30 19 240



Transportation emergencies: +49 621 60 43 333

2 Composition/information on ingredients

· **Chemical characterization**

· **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom.	 Xn; R 10-65	25-50%
CAS: 1330-20-7 EINECS: 215-535-7	xylene	 Xn; R 10-20/21-38	10-25%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate	R 10-66-67	10-25%

· **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

· **Hazard description:**



Xn Harmful

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 65 Harmful: may cause lung damage if swallowed.

4 First-aid measures

- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *Do not induce vomiting; call for medical help immediately.*

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*

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· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 xylene

OES	Short-term value: 662 mg/m ³ , 150 ppm
	Long-term value: 441 mg/m ³ , 100 ppm
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123-86-4 n-butyl acetate

OES	Short-term value: 966 mg/m ³ , 200 ppm
	Long-term value: 724 mg/m ³ , 150 ppm

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Solvent resistant gloves

- **Material of gloves:** PVC or PE gloves
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

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9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Colourless
Odour: Solvent-like

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 35°C

· **Ignition temperature:** >300°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 0.7 Vol %
Upper: 7.5 Vol %

· **Vapour pressure at 20°C:** 10.7 hPa

· **Density at 20°C:** 0.98 g/cm³

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

· Viscosity:

Kinematic at 20°C: 35 s (DIN 53211/4)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

· Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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12 Ecological information

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1263
- **Packaging group:** III
- **Hazard label** 3
- **Description of goods:** 1263 PAINT, special provision 640E

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** PAINT

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15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:

Xn Harmful

· Risk phrases:

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

· Safety phrases:

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

23 Do not breathe vapour.

24/25 Avoid contact with skin and eyes.

37 Wear suitable gloves.

51 Use only in well-ventilated areas.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· Contact: *Dr. M. Zieger, Tel. +49 (0)731 4097 207*

· * Data compared to the previous version altered.

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1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** *DD 2000 Komponente B (Härter)*

· **Application of the substance / the preparation** *Solvent-based, 2-component PU parquet seal, component B*

· **Manufacturer/Supplier:**

JP Coatings GmbH

Im Kreuz 6

D-97076 Würzburg

Tel. +49 (0)931-27964-0

Fax +49 (0)931-27964-50

· **Further information obtainable from:** *Developing department*

· **Information in case of emergency:**

Medical emergencies: +49 30 19 240





Transportation emergencies: +49 621 60 43 333

2 Composition/information on ingredients

· **Chemical characterization**

· **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

CAS: 108-65-6 EINECS: 203-603-9	<i>2-methoxy-1-methylethyl acetate</i>  <i>Xi; R 10-36</i>	<i>25-50%</i>
CAS: 1330-20-7 EINECS: 215-535-7	<i>xylene</i>  <i>Xn; R 10-20/21-38</i>	<i>10-25%</i>
CAS: 64742-95-6 EINECS: 265-199-0	<i>Solvent naphtha (petroleum), light arom.</i>  <i>Xn; R 10-65</i>	<i>5-10%</i>
CAS: 26471-62-5 EINECS: 247-722-4	<i>m-tolylidene diisocyanate</i>  <i>T+; R 26-36/37/38-40-42/43-52/53</i>	<i>< 0.5%</i>

· **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

· **Hazard description:**



Xn Harmful

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 36 Irritating to eyes.

R 42 May cause sensitisation by inhalation.

Contains isocyanates. See information supplied by the manufacturer

4 First-aid measures

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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Trade name: **DD 2000 Komponente B (Härter)**

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· **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

108-65-6 2-methoxy-1-methylethyl acetate

OES	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm New, IOELV, Sk
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1330-20-7 xylene

OES	Short-term value: 662 mg/m ³ , 150 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk
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26471-62-5 m-tolyldiene diisocyanate

MEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· **Protection of hands:**



Solvent resistant gloves

· **Material of gloves** PVC or PE gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form: Fluid
Colour: Dark brown
Odour: Solvent-like

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 40°C

· **Ignition temperature:** >300°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 0.7 Vol %
Upper: 10.8 Vol %

· **Vapour pressure at 20°C:** 6.7 hPa

· **Density at 20°C:** 1.04 g/cm³

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

Kinematic at 20°C: 20 s (DIN 53211/4)

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

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Trade name: DD 2000 Komponente B (Härter)

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitization:** Sensitization possible through inhalation.

12 Ecological information

· **General notes:** Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 3 Flammable liquids.

· **Danger code (Kemler):** 30

· **UN-Number:** 1866

· **Packaging group:** III

· **Hazard label** 3

· **Description of goods:** 1866 RESIN SOLUTION, special provision 640E

· **Maritime transport IMDG:**



· **IMDG Class:** 3

· **UN Number:** 1866

· **Label** 3

· **Packaging group:** III

· **EMS Number:** F-E,S-E

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Trade name: DD 2000 Komponente B (Härter)

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- **Marine pollutant:** No
- **Proper shipping name:** RESIN SOLUTION

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1866
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** RESIN SOLUTION

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

Xn Harmful

- **Hazard-determining components of labelling:**

m-tolylidene diisocyanate
xylene

- **Risk phrases:**

10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
36 Irritating to eyes.
42 May cause sensitisation by inhalation.

- **Safety phrases:**

2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.
36/37 Wear suitable protective clothing and gloves.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
26 Very toxic by inhalation.
36 Irritating to eyes.
36/37/38 Irritating to eyes, respiratory system and skin.
38 Irritating to skin.
40 Limited evidence of a carcinogenic effect.
42/43 May cause sensitisation by inhalation and skin contact.

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52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

· **Contact:** Dr. M. Zieger, Tel. +49 (0)731 4097 207

· *** Data compared to the previous version altered.**

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